

ABSTRACT

The invention relates to a fuel delivery system for an internal combustion engine, having a fuel feed pump (10), which delivers fuel which is at pilot pressure to a high- pressure fuel pump (11) that communicates on the high- pressure side with
5 at least one injection valve (14), in order to deliver fuel at high pressure to the injection valve or valves (14). To prevent vapor bubble development in the high- pressure fuel pump (11), which impairs its pumping capacity and pressure generation, it is provided according to the invention that a coolant medium flow can be delivered to the high-pressure fuel pump (11) via at least one coolant conduit (21,
10 31), in order to keep the temperature (T_{HDP}) of the high-pressure fuel pump (11) below a critical operating temperature (T_{k1}).

(Fig. 1)